

Converting Colors

CIELCh(49, 34.621, 156.305)

Have a look what the booklet for
CIELCh(49, 34.621, 156.305)
contains.

CIELCh(49, 34.644, 156.253)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(49, 34.644, 156.253)

Conversions

Conversions Part 1

Format	Color
Hex	3B825C
RGB	59, 130, 92
RGB Percent	23%, 51%, 36%
CMY	0.7696, 0.4911, 0.6401
CMYK	0.55, 0.00, 0.29, 0.49
HSL	148°, 38%, 37%
HSV	148°, 55%, 51%
XYZ	11.6629, 17.5941, 12.8563
YIQ	104.4390, -30.1180, -26.8700

Conversions

Conversions Part 2

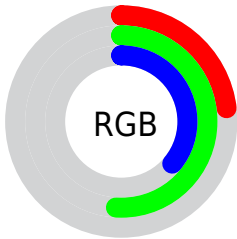
Format	Color
RYB	59, 107, 130
Decimal	3899996
CIELab	49.00, -31.71, 13.95
CIELCh	49, 34.644, 156.253
Yxy	17.5941, 0.2769, 0.4178
Android (android.graphics.Color)	4282090076 (0xFF3B825C)
YUV	104.4390, -6.1324, -39.8500
Hunter-Lab	41.9453, -23.7723, 11.1893




Details

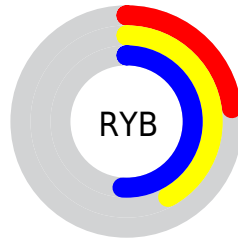
The CIELCh color **49, 34.644, 156.253** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **35, 36.165, 347.291**, and the grayscale version is **44, 0.006, 296.813**.




A 20% lighter version of the original color is **69, 35.030, 155.801**, and **29, 33.967, 155.473** is the 20% darker color. If you saturate the color by 10%, you get **48, 40.082, 154.774**, and if you desaturate by 10%, it is **50, 28.781, 157.559**.

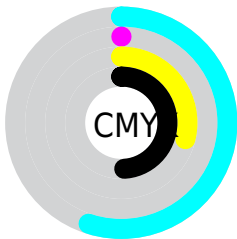
Distribution







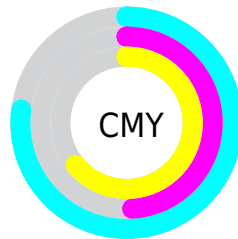
-  Red (23%)
-  Green (51%)
-  Blue (36%)






-  Red (23%)
-  Yellow (42%)
-  Blue (51%)



-  Cyan (55%)
-  Magenta (0%)
-  Yellow (29%)
-  Black (49%)





-  Cyan (77%)
-  Magenta (49%)
-  Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 34.644, 156.253 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 49, 34.644, 156.253 by changing the saturation by 10% instead.


 49, 34.644,
156.253


 49, 34.644,
156.253


 100, 34.644,
156.253


 39, 34.644,
156.253

 69, 34.644,
156.253


 29, 34.644,
156.253

 79, 34.644,
156.253

 19, 34.644,
156.253

 89, 34.644,
156.253

 9, 34.644, 156.253

 99, 34.644,
156.253

 0, 34.644, 156.253

 49, 34.644,

 49, 34.644,

156.253

■ 48, 40.082,
154.774

■ 48, 45.004,
153.106

■ 48, 49.354,
151.242

■ 47, 53.131,
149.209

■ 47, 55.025,
148.190

156.253

■ 50, 28.781,
157.559

■ 51, 22.594,
158.714

■ 51, 16.187,
159.742

■ 53, 9.657, 160.666

■ 54, 3.088, 161.548

■ 55, 3.451, 342.114

■ 56, 9.908, 342.843

■ 58, 16.244,
343.475

■ 59, 22.432,
344.054

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



49, 34.644, 156.253



35, 36.165, 347.291

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49, 34.644, 156.253



49, 34.644, 206.253



49, 34.644, 336.253



49, 34.644, 26.253

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



49, 34.645, 156.253



67, 12.983, 160.519



50, 41.940, 124.839



34, 8.723, 160.368



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49, 34.645, 156.253



62, 50.192, 154.329



50, 23.560, 191.900



26, 3.642, 161.156



46, 54.281, 148.233



0, 0.000, 0.000

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



35, 36.165, 347.291



42, 52.034, 349.317



34, 33.409, 22.123



25, 3.680, 342.471



27, 51.284, 357.406



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 34.644, 156.253 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 49, 34.644, 156.253 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 34.644, 156.253

Background



This preview shows how black text looks on a background with the CIELCh color 49, 34.644, 156.253.



This preview shows how white text looks on a background with the CIELCh color 49, 34.644, 156.253.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

49, 34.644, 156.253

Protanopia

49, 18.399, 96.557

Deuteranopia

49, 13.483, 60.539



Tritanopia
49, 18.411, 216.493

Trichromacy



Original Color
49, 34.644, 156.253

Protanomaly
48, 21.725, 131.855

Deuteranomaly
48, 14.798, 126.692

Tritanomaly
49, 21.192, 185.901

Monochromacy



Original Color
49, 34.644, 156.253

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 12.798, 160.775

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 34.644, 156.253 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(59, 130, 92)` looks like.

```
.text, #text, p{  
    color:rgb(59, 130, 92)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(59, 130, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 130, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 34.644, 156.253 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(59, 130, 92) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(59, 130, 92) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(59, 130, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 130, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 130, 92);  
box-shadow:4px 4px 4px 4px rgb(59, 130,  
92) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 34.644, 156.253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 130, 92) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(59, 130,  
92) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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